

## ABSTRACT OF THE DISCLOSURE

A charge-coupled device (CCD) sensing apparatus is provided. The CCD sensing apparatus includes a first photo sensor set and a first CCD shift register. The first photo sensor set includes a number of first photo-sensors  
5 for receiving light signals and generating multiple corresponding first charge signals. The first CCD shift register includes a first CCD component set and a second CCD component set. The first CCD component set can receive part of the first charge signals and output them to a first charge storage component, while the second CCD component set can receive part of the  
10 remaining first charge signals and output them to a second charge storage component.

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